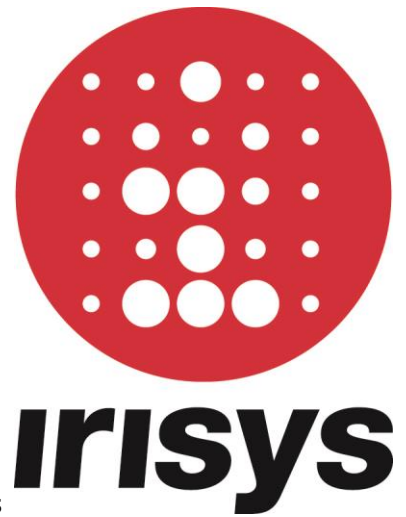


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Irisys People Counters

Technical Bulletin



20th December 2013.

Issue: **05**

Introduction

Welcome to the fifth technical bulletin where there are lots of new things going on!... Mike.



Bluetooth Setup Module

The new Irisys Bluetooth Setup Module is now available! These will work with any of the 3000 series indoor units (relay, IP or dualview) and provides a wireless serial connection to a counter for configuration purposes. They can be used in place of the IWC3052, IWC3062 and IWC3059 wired setup options on any indoor unit (not outdoor units currently, but we're working on that). You can use them in a similar way to the cabled version, or they can be left permanently connected for a much simpler setup connection on any subsequent visits - no ladders or out of hours access required!

Each module is only 30mm x 36mm (1 1/4" x 1 1/2") and so can be installed in a small hole in the ceiling above the counter, or, with careful cable routing, will happily sit inside the counter base itself.

Your laptop must also have Bluetooth capability (either built in or via a third party USB dongle) and this will pair with the Irisys module in a similar way to how you would pair your mobile phone to your hands free device.

These modules will also be compatible with the new counter units due next year (see below!).

If you would like to order an Irisys Bluetooth module (part number IWC3095) then please contact your local Irisys sales representative for pricing information.



Irisys Gazelle Units Launching Next Year

Many of you will already know that we have been very busy here at Irisys developing the next generation of Irisys detectors known collectively as the Gazelle series of units. The Gazelle counters are a completely new design, with both on ceiling (bulkhead) and recess mount options. They are PoE compliant and also come with on-board relay inputs and outputs. Gazelle units are based on a Linux platform and will support multiple simultaneous connections via IP for setup, data extraction and estate management. In order to make the Irisys unit more your own, you will also be able to spray the outside cover or have your own logos or complete covers produced which clip on to the available points on the main core product.

Through a series of ongoing firmware updates additional features will be added, and all while maintaining backwards compatibility with the current 3000 series units, so that your current data retrieval software won't need modifying!

Additionally all the Irisys software tools such as the People Counter Setup Tool (PCST) and validation Tool software are being updated to be slicker and more installer friendly - yes the continual 'Next', 'Next', 'Next' of current PCST is now gone! These updates will also be joined by a new software tool to enable remote management of an estate of Irisys counters. With this you'll be able to perform firmware updates, pull back videos, take backups and manage restores, on single and multiple units at the same time, as well as many more innovative things that I can't talk about just yet! All software will be backwardly compatible with your existing 3000 series units.

Gazelle units are now available as a pre-order item for delivery in Q1 2014, so get in contact with your Irisys sales representative to ensure you get yours!

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Access to IP Enabled Counters When Behind a Firewall

I often get asked about how to access IP enabled counters installed on customer sites which are behind a firewall. Obviously your customers want to protect their networks from any kind of cyber-attack but unfortunately this often leaves counters 'stranded' on the other side of the router, inaccessible remotely. But there are a number of different things that you can do to gain access again to your counters.

For data retrieval:

1. For data retrieval from the counters using a 'pull' connection (where your software initiates the connection to a counter), you only need access into one port – port 4505. Some IT departments may possibly allow access into their network on just this lone port.
2. Alternatively, you can use a push connection, and this is where the counter itself initiates the connection out to your data retrieval software. In this case you are able to configure any port you want the counter to use, and so between you and the IT department you should be able to agree access on a single port out through the firewall. All IT departments will allow an outbound connection more readily than an inbound connection!

For counter configuration and for use with Validation Tool this can be a bit trickier:

1. Again you may be able to charm the IT department and convince them to give you inbound access to the counter for this. The counter needs access into two ports for configuration purposes via an Internet Browser and for use in Val tool - ports 80 and 4505. If you've already been given access to 4505 for data retrieval then you only need to add port 80 to this and you're good to go.
2. Some IT departments will block port 80 as standard so in these cases you can always use the installed exe version of PCST (people counter setup tool) to configure the counters counting functionality as this only requires port 4505 and not port 80. Unfortunately you won't be able to make changes to the IP or Client connection pages via this method and it won't work with Validation Tool, as this needs 4505.

As long as you can configure an outbound connection through the firewall, and configure the counter to use a push connection (any port), there is an alternative method which provides access to the counter for both data retrieval, configuration and for use in Val tool. You simply point the counter to an Irisys 'Connection Router' installation and utilise the connection through that. Connection Router provides a kind of 'proxy server' type connection and management option which will accept connections from counters and keep hold of them for use by any other software, be that data retrieval, configuration or for use with Validation Tool. In all cases you simply connect into Connection Router rather than directly to the counter and it 'routes' your connection on to the counter. The important bit is that you install Connection Router in an accessible location outside of the customers own network - probably at your own office. For details of Connection Router please speak with your Irisys sales representative. The best part is that it's free!



Latest People Counter SetupTool/Firmware/API Versions

Just as a reminder, all the latest version of Irisys software and firmware are listed below. If you need an update for anything, they're all available on the partner portal as usual.

People Counter Setup Tool (PCST) (SW)	3.0.41019.1
Counter Head (DSP) (FW)	42.4.X.486
IP Counter IP (FW)	4.0.2.31110
IP Counter Web enabled on-board setup tool (PCST) (FW)	3.0.41019.1
Validation Tool (SW)	3.1.41129.1
Firmware Upgrader II Software (FUII) (SW)	1.3.0.7
Harvester (SW)	1.3.41207
Harvester Reporting (SW)	1.3.41207
Irisys USB to serial Adapter drivers	2.08.30
.Net API	3.0.40504.01
Win32 API	3.0.40504.01
Linux API	3.0.40504.01
Java API	3.0.50107.01

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